





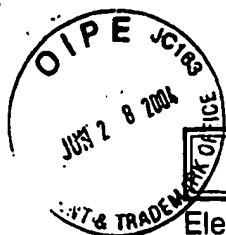


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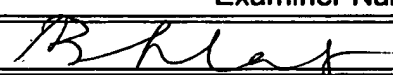
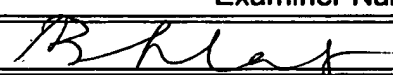
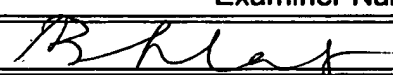
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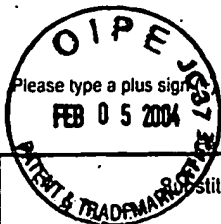
Title of Invention	Method and apparatus for performing technology mapping																										
<p>Application Number: 10/066456 </p> <p>Confirmation Number: 2203</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0099</p> <p>Art Unit: 2825</p> <p>Examiner: Binh Tat</p> <p>Search string: (6216252).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>120</td><td>1</td><td>6216252</td><td>2001-04-10</td><td>Dangelo et al.</td><td>B1</td><td></td><td></td></tr></tbody></table> <p>Signature</p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td>07/22/04</td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	120	1	6216252	2001-04-10	Dangelo et al.	B1			Examiner Name	Date		07/22/04
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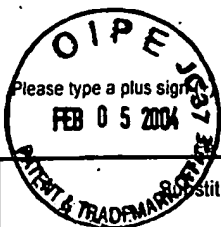
U.S. PATENT DOCUMENTS						
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R/S	1.	2002/0157063	A1	10-24-2002	Besson	
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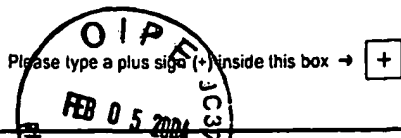
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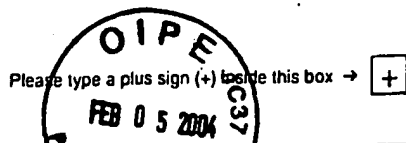
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BT	22.	6,546,541	B1	04-08-2003	Petranovic et al.
BT	23.	6,618,835	B1	09-09-2003	Garlapati et al.

NON PATENT LITERATURE DOCUMENTS				
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BT	24.	NN78055443, "Automatic Remap", IBM Technical Disclosure Bulletin, Vol. 20, No. 12, May 1978, pp. 5443-5445 (5 pages).		
BT	25.	NN9411291, "Design of Portable Library using Parameterized Cells", IBM Technical Disclosure Bulletin, Vol. 37, No. 11, pp. 291-292 (4 pages).		
BT	26.	Markovic et al., "FPGA to ASIC Conversion Design Methodology with the Support for Fast Retargeting to Different CMOS Implementation Technologies", Proceedings of 2002 22 nd International Conference on Microelectronics, Vol. 2, 14 May 2000, pp. 703-706.		
BT	27.	Ruiz et al., "Design and Prototyping of DSP Custom Circuits Based on a Library of Arithmetic Components", Vol. 1, 9 November 1997, pp. 191-196.		
BT	28.	Tamiya, Y., "Delay Estimation for Technology Independent Synthesis", 1997 Proceedings of the ASP-DAC '97, Asia and South Pacific Design Automation Conference, 28 January 1997, pp. 31-36.		

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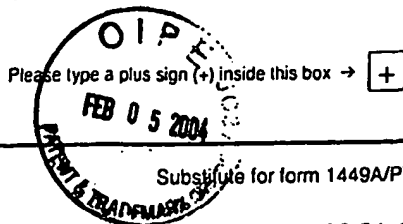
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	6.	5,696,974		12-09-1997	Agrawal et al.	
	7.	5,752,000		05-12-1998	McGeer et al.	
	8.	5,574,441		05-19-1998	Tokunoh et al.	
	9.	5,787,010		07-28-1998	Schaefer et al.	
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	13.	6,102,964		08-15-2000	Tse et al.	
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	18.	6,473,884		10-29-2002	Ganai et al.	
	19.	6,496,972	B1	12-17-2002	Segal	
	20.	6,523,156	B2	02-18-2003	Cirit	
B	21.	6,574,779	B2	06-03-2003	Allen et al.	

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BD	22.	Crastes, M. et al., A technology Mapping Method Based on Perfect and Semi-Perfect Matchings, Design Automation Conference, 1991, 28 th ACM/IEEE, June 17-21, 1991, pp. 93-98.			
Bt	23.	Devadas, S. et al., Synthesis and Optimization for Robustly Delay-fault Testable Combinational Logic Circuits, Design Automation Conference, 1990, 27 th ACM/IEEE, June 24-28, 1990, pp.221-227.			
Bv	24.	Yi, J. H. et al., Technology Mapping for Storage Elements Based on BDD matching, Proceedings of the 40 th Midwest Symposium on Circuits and Systems, pp. 1099-1102, vol.2, August 1997.			

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		Serial Number				
Bt	1.	10/062,017		Steven Teig & Asmus Hetzel	01-31-02	
	2.	10/061,459		Steven Teig & Asmuz Hetzel	01-31-02	
	3.	10/062,014		Steven Teig & Asmus Hetzel	01-31-02	
	4.	10/062,044		Steven Teig & Asmuz Hetzel	01-31-02	
	5.	10/066,264		Steven Teig & Asmus Hetzel	01-31-02	
	6.	10/066,188		Steven Teig & Asmus Hetzel	01-31-02	
	7.	10/062,992		Steven Teig & Asmuz Hetzel	01-31-02	
	8.	10/061,474		Steven Teig & Asmus Hetzel	01-31-02	
	9.	10/061,719		Steven Teig & Asmus Hetzel	01-31-02	
	10.	10/062,993		Steven Teig & Asmus Hetzel	01-31-02	
Bt	11.	10/062,047		Steven Teig & Asmuz Hetzel	01-31-02	

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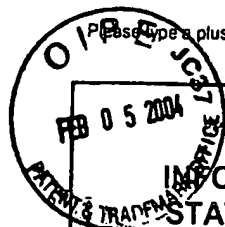
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		Number	Kind Code* (if known)			
Bt	12.	5,649,165		Jain et al.	07-15-97	
Bt	13.	6,301,687	B1	Jain et al.	10-09-01	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/066,456
				Filing Date	1/31/02
				First Named Inventor	Steven Teig, et al.
				Group Art Unit	2825
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0099

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
B	14.	D. Jongeneel, R. Otten, Y. Watanabe and R. K. Brayton, Area and Search Space Control for Technology Mapping, 37 th Design Automation Conference, 86-91, 2000.	
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B	23.	Zbigniew J. Czech, et al., An Optimal Algorithm for Generating Minimal Perfect Hashing Functions, Information Processing Letters, 43(5); 257-264, October 1992	

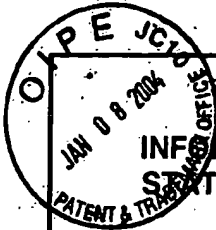
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/02
				First Named Inventor	Steven Teig, et al.
				Group Art Unit	2825
				Examiner Name	B. Tat
Sheet	1	of	2	Attorney Docket Number	SPLX.P0099

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	2.	5,519,630		05-21-1996	Nishiyama et al.	
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	21.	6,574,779	B2	06-03-2003	Allen et al.	

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NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Bo	22.	Crastes, M. et al., A technology Mapping Method Based on Perfect and Semi-Perfect Matchings, Design Automation Conference, 1991, 28 th ACM/IEEE, June 17-21, 1991, pp. 93-98.		
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